



U.S. Environmental Protection Agency
Office of Atmospheric Programs

EPA Analysis of the Lieberman-Warner Climate Security Act of 2008

S. 2191 in 110th Congress

March 14, 2008



Results: Scenario 10 – S. 2191 Alt. Ref. 2030 Sectoral Results (Sectors 1 – 18) (IGEM)

Sector	2007		2030			
	Alternative Reference			S.2191 Alt. Ref.		
	Output (\$Billions)	Output (\$Billions)	Percent Change from 2007	Output (\$Billions)	Percent Change from 2007	Percent Change from Reference
Agriculture, forestry, fisheries	510	1049	106%	1103	116%	5%
Metal mining	83	165	100%	151	83%	-9%
Coal mining	30	37	22%	19	-37%	-48%
Crude oil and gas extraction	165	243	47%	210	28%	-13%
Non-metallic mineral mining	16	15	-12%	13	-19%	-8%
Construction	1190	1645	38%	1566	32%	-5%
Food and kindred products	588	1240	111%	1292	120%	4%
Tobacco manufactures	34	63	87%	68	101%	7%
Textile mill products	86	238	179%	219	156%	-8%
Apparel and other textile products	81	227	181%	219	171%	-3%
Lumber and wood products	153	346	126%	319	109%	-8%
Furniture and fixtures	103	235	127%	220	114%	-6%
Paper and allied products	225	579	157%	544	142%	-6%
Printing and publishing	252	460	82%	446	77%	-3%
Chemicals and allied products	533	1455	173%	1292	142%	-11%
Petroleum refining	305	369	21%	306	0%	-17%
Rubber and plastic products	225	574	155%	530	135%	-8%
Leather and leather products	13	35	168%	34	157%	-4%



Results: Scenario 10 – S. 2191 Alt. Ref. 2030 Sectoral Results (Sectors 19 – 35) (IGEM)

Sector	2007		2030			
	Alternative Reference			S.2191 Alt. Ref.		
	Output (\$Billions)	Output (\$Billions)	Percent Change from 2007	Output (\$Billions)	Percent Change from 2007	Percent Change from Reference
Stone, clay and glass products	120	261	117%	247	105%	-5%
Primary metals	211	466	120%	414	96%	-11%
Fabricated metal products	328	652	99%	602	84%	-8%
Non-electrical machinery	652	2498	283%	2311	255%	-7%
Electrical machinery	463	3429	641%	3181	588%	-7%
Motor vehicles	529	1148	117%	1066	101%	-7%
Other transportation equipment	226	439	94%	419	85%	-5%
Instruments	260	590	127%	564	117%	-4%
Miscellaneous manufacturing	68	183	168%	175	156%	-5%
Transportation and warehousing	707	1340	90%	1267	79%	-5%
Communications	537	1196	123%	1176	119%	-2%
Electric utilities (services)	396	540	36%	470	19%	-13%
Gas utilities (services)	52	61	18%	45	-13%	-26%
Wholesale and retail trade	2583	4894	90%	4677	81%	-4%
Finance, insurance and real estate	2743	6377	133%	6235	127%	-2%
Personal and business services	4468	8503	90%	8374	87%	-2%
Government enterprises	466	878	88%	849	82%	-3%